	Туре	L #	Hits	Search Text	DBs	Time Stamp	Comment
1	BRS	L1	33	("lithium niobate" or linbo3) and euler adj1 angles\$1	USPAT	2007/08/2 8 14:41	
2	BRS	L2	14	("lithium niobate" or linbo3) and euler adj1 angles\$1	US- PGPUB	2007/08/2 8 14:54	
3	BRS	L3	5	("lithium niobate" or linbo3) and euler adj1 angles\$1	USOCR; FPRS; EPO; JPO; DERWE NT; IBM_T DB	2007/08/2 8 15:11	
4	BRS	L4	0	("lithium niobate" or linbo3) and stonely	USOCR; FPRS; EPO; JPO; DERWE NT; IBM_T DB	2007/08/2 8 15:11	
5	BRS	L5	10	("lithium niobate" or linbo3) and stonely	US- PGPUB ; USPAT	2007/08/2 8 15:15	,
6	BRS	L6	292	("lithium niobate" or linbo3) and "acoustic velocity"	US- PGPUB ; USPAT	2007/08/2 8 15:31	
7	BRS	L7	12	("lithium niobate" or linbo3) and "acoustic velocity" and euler	US- PGPUB ; USPAT	2007/08/2 8 15:31	

	Туре	L #	Hits	Search Text	DBs	Time Stamp	Comment
8	BRS	L8	10459 91	stoneley wave	1	2007/08/2 8 16:01	·
9	BRS	L9	257	"stoneley wave"		2007/08/2 8 16:02	·
10	BRS	L10			1	2007/08/2 8 16:16	

	Туре	L #	Hits	Search Text	DBs	Time Stamp	Comment
11	BRS	L11	55	boundary adj3 wave and (linbo3 or "lithium niobate")		2007/08/2 8 16:17	
12	BRS	L12	1	boundary adj3 wave and (linbo3 or "lithium niobate") and euler	<i>;</i>	2007/08/2 8 16:17	

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boundary wa	ve AND
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	AND
Date of public	ation of application e.g.19980401 - 19980405
	AND
IPC e.g. D01B7	/04 A01C11/02
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lithium n	oba	ate	AND 🛨
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One letter word or S	OR operation, please leave a SPACE between keywords. Stopwords are not searchable.	
linbo3	JAND T	
*************************************	AND	
euler	AND	
	AND	
	AND W	
	AND	
Date of public	cation of application e.g.19980401 - 19980405	
	AND	
IPC e.g. D01B7	7/04 A01C11/02	
If you use the OR or	peration, please leave a SPACE between keywords.	
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RESULT LIST

7 results found in the Worldwide database for:

acoustic in the title AND "lithium niobate" and euler in the title or abstract

(Results are sorted by date of upload in database)

1 Surface acoustic wave devices using optimized cuts of lithium niobate (LiNbO3)

Inventor: NAUMENKO NATALYA F (RU); ABBOTT

Applicant:

BENJAMIN P (US) EC: H03H9/02S2B

IPC: H03H9/02; H03H9/02; (IPC1-7): H03H9/64

Publication info: US2003080831 - 2003-05-01

2 SURFACE ACOUSTIC WAVE ELEMENT

Inventor: SHIMIZU YASUTAKA; NISHIKATA ATSUHIRO; Applicant: SHIMIZU YASUTAKA; SANYO ELECTRIC CO

(+1)

EC: IPC: H03H9/25; H03H9/00; (IPC1-7): H03H9/25

Publication info: JP9331229 - 1997-12-22

3 SURFACE ACOUSTIC WAVE ELEMENT AND PORTABLE TELEPHONE SET USING THE SAME

Inventor: SHIMIZU YASUTAKA (JP); NISHIKATA

Applicant: SANYO ELECTRIC CO (JP); SHIMIZU

ATSUHIRO; (+1)

YASUTAKA (JP)

EC: H03H9/02S2B

IPC: H03H9/02; H03H9/02; (IPC1-7): H03H9/145

(+2)

Publication info: W09733368 - 1997-09-12

4 SURFACE ACOUSTIC WAVE FILTER

Inventor: MATSUI KUNIYUKI; HIRAO YASUHIRO; (+6) Applicant: SANYO ELECTRIC CO; SHIMIZU YASUTAKA

EC:

IPC: H03H9/25; H03H9/64; H03H9/00 (+2)

Publication info: JP8340234 - 1996-12-24

5 SURFACE ACOUSTIC WAVE FILTER

Inventor: MATSUI KUNIYUKI; HIRAO YASUHIRO; (+6) Applicant: SANYO ELECTRIC CO (JP); SHIMIZU

YASUTAKA (JP)

EC: H03H9/64E3

IPC: H03H9/25; H03H9/64; H03H9/02 (+4)

Publication info: JP8340232 - 1996-12-24

6 SURFACE ACOUSTIC WAVE ELEMENT

Inventor: SHIMIZU YASUTAKA; NISHIKATA ATSUHIRO; Applicant: SHIMIZU YASUTAKA; SANYO ELECTRIC CO

(+1)

EC: IPC: H03H9/25; H03H9/00; (IPC1-7): H03H9/25

Publication info: JP8316781 - 1996-11-29

7 SURFACE ACOUSTIC WAVE ELEMENT

Inventor: KOBAYASHI TAIZO; MATSUI KUNIYUKI; (+6) Applicant: SANYO ELECTRIC CO; SHIMIZU YASUTAKA

EC: H03H9/02S2B; H03H9/02S8B

IPC: H03H3/08; H03H9/02; H03H9/145 (+8)

Publication info: JP8288788 - 1996-11-01

Data supplied from the esp@cenet database - Worldwide

RESULT LIST

4 results found in the Worldwide database for: **boundary and wave and euler** in the title or abstract (Results are sorted by date of upload in database)

1 ELASTIC BOUNDARY WAVE ELEMENT

Inventor: YAMADA AKINORI

Inventor: YAMADA AKINORI

EC:

EC:

IPC: H03H9/25; H03H9/00

Publication info: JP2007053670 - 2007-03-01

2 ELASTIC BOUNDARY WAVE ELEMENT

EC:

Applicant: SEIKO EPSON CORP IPC: H03H9/25; H03H9/00

Applicant: SEIKO EPSON CORP

Publication info: JP2007049482 - 2007-02-22

3 ELASTIC BOUNDARY WAVE APPARATUS

Inventor: SHINDO HAJIME

Applicant: MURATA MANUFACTURING CO

IPC: H03H9/145; H03H9/25; H03H9/145 (+1)

Publication info: JP2007036344 - 2007-02-08

4 Method for providing a piezoelectric substrate and surface acoustic wave device with reduced bulk acoustic wave scattering

Inventor: PENUNURI DAVID (US)

Applicant: MOTOROLA INC (US)

EC: H03H3/08; H03H9/02S2B

IPC: H04R17/00; H01L41/09; H01L41/22 (+13)

Publication info: US5896636 - 1999-04-27

Data supplied from the esp@cenet database - Worldwide





Results of searching in PCT for:

"stoneley wave" and euler and boundary and (linbo3 or "lithium niobate"): 0 records

[Search Summary]

Refine Search

"stoneley wave" and euler and boundary and (linbo3 or





No records matching your query found in PCT

Search Summary

"stoneley wave": 559 occurrences in 33 records.

euler: 4554 occurrences in 1218 records.

("stoneley wave" AND euler): 1 record.

boundary: 299495 occurrences in 52106 records...

(("stoneley wave" AND euler) AND boundary): 1 record.

linbo3: 1867 occurrences in 782 records.

"lithium niobate": 6752 occurrences in 1804 records.

(linbo3 OR "lithium niobate"): 2269 records.

((("stoneley wave" AND euler) AND boundary) AND (linbo3 OR "lithium niobate")): 0 records.

Search Time: 8.06 seconds.





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PatentScope

Results of searching in PCT for:

("stoneley wave" or boundary) and euler and (linbo3 or "lithium niobate"): 3 records Showing records 1 to 3 of 3:

[Search Summary]

Refine Search

CHARACTERISTICS

("stoneley wave" or boundary) and euler and (linbo3 or



Title

1. (WO 2004/006431) SAW FILTER DEVICE AND METHOD EMPLOYING NORMAL TEMPERATURE BONDING FOR PRODUCING DESIRABLE FILTER PRODUCTION AND PERFORMANCE

Pub. Date Int. Class App. Num

15.01.2004 H03H 9/02 PCT/US2003/018143

Applicant

SAWTEK. INC.

A SAW filter (10) includes a piezoelectric substrate (16) of Lithium Niobate or optionally Lithium Tantalate having a thickness of at least twice an acoustic wavelength. The piezoelectric substrate (16) is bonded to a surrogate substrate (18) of a silicon material. The surrogate substrate (18) is characterized by a resistivity of at least 100 ohm-cm and an expansion coefficient compatible with the piezoelectric substrate (16). A catalytic bonding film (20) between the piezoelectric substrate (16) and the surrogate substrate (18) is formed from a first catalytic bonding film deposited onto a surface of the piezoelectric substrate (16) and a second catalytic bonding film deposited onto a surface of the surrogate substrate (18). The piezoelect...

(WO 2004/004119) SINGLE CRYSTAL SUBSTRATE 08.01.2004 H03H 9/02 PCT/KR2003/001239 AND CUTTING METHOD THEREOF

LG **INNOTEK** CO.,LTD

Disclosed is a single crystal substrate and a cutting method thereof. A single crystal substrate includes a langasite substrate with a SAW propagation surface; and input and output IDTs having electrodes on the surface for launching and/or detecting surface acoustic waves, wherein a direction of surface wave propagation is parallel to an X'-axis, and the substrate further has an Z'-axis perpendicular to the surface and a Y'-axis parallel to the surface and perpendicular to the X'-axis, the langasite substrate having a crystal orientation defined by modified axes X, Y and Z, the relative orientation of axes X', Y' and Z' being defined by Euler angles ~, 8 and yl, in which ~ is in a range of 8° <_ 0 15 S 25°, 8 is i...

3. (WO 2002/019522) SURFACE ACOUSTIC WAVE DEVICES USING NON-SYMMETRIC OPTIMIZED CUTS OF A PIEZOELECTRIC SUBSTRATE

07.03.2002 H03H 9/02 PCT/US2001/014347

SAWTEK INC.

A surface acoustic wave device includes a piezoelectric substrate of a single crystal LiTaO¿3? and an electrode pattern provided on a surface of the piezoelectric substrate which forms a resonator having an electrode thickness in a range of about 1 % to about 15 % of an acoustic wavelength of a surface acoustic wave excited on the surface of the substrate. The piezoelectric substrate has non-symmetric orientation defined by Euler angles (\$g(I), \$g(m), \$g(u)), with angle \$g(I) in a range from -4° to +4°, angle \$g(m) in a range from about -52° to about -36°, and angle \$g(u) in a range from about (-1.365 \$g(l) -4)° to (-1.365 \$g(l) +4)°. Such orientations simultaneously combined with an optimized propagation loss at resonant and anti-re...

Search Summary

RSS 5

"stoneley wave": 559 occurrences in 33 records. boundary: 299495 occurrences in 52106 records. ("stoneley wave" OR boundary): 52116 records.

euler: 4554 occurrences in 1218 records.

(("stoneley wave" OR boundary) AND euler): 273 records.

linbo3: 1867 occurrences in 782 records.

"lithium niobate": 6752 occurrences in 1804 records.



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Search Results 08/28/2007 - 16:24:52

Search Q

Query:

((boundary or stoneley)) <AND> ((e

Query: ((boundary or stoneley)) <AND> (((euler)) <in> abstract) <AND> (((linbo3 or "lithium niobate")) <in> claims)

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